

## CLAIMS

1. An information retransmission device (2) comprising means (21) for exchanging information with a remote server (4) via a switched telecommunications network (6) and characterized in that it further comprises automatic means (23) for detecting the presence of a nearby output device (8) and automatic means (23) for retransmitting information received from said remote server (4) from said device (2) to an output device (8) that has been detected nearby and in that it is supplied with power by virtue of its connection to the telecommunications network (6) and is integrated into an adapter.
2. A device according to claim 1, characterized in that said information exchange means (21) are adapted to interrogate said remote server (4) via said telecommunications network (6) on detection of a nearby output device (8) in order to receive information from said server (4) and retransmit it directly to said detected output device (8).
3. A device according to either claim 1 or claim 2, characterized in that it comprises means (22) for storing information in order to store information received from said remote server (4) and to retransmit it subsequently to an output device (8) detected nearby.
4. A device according to any one of claims 1 to 3, characterized in that it comprises means (25) for setting its operating parameters enabling a user and/or the remote server (4) to set parameters for retransmission of received information as a function of the identity of the detected output device (8).
5. A device according to claim 4, characterized in that it further comprises means (26) for selecting and/or converting received information in order to enable the

retransmission of some or all of said information in a format suited to output on the detected output device (8).

6. A device according to any one of claims 1 to 5,  
5 characterized in that it is also connected to at least one standard telephone device (10) and comprises means (27) for identifying the addressee of an incoming call and means (28) for switching calls in order to enable the switching of incoming calls between said at least one  
10 standard telephone device (10) and said information exchange means (21).

7. A device according to any one of claims 1 to 6,  
characterized in that it is adapted to exchange  
information with said output device (8) by means of a  
15 wireless radio connection.

8. A device according to claim 7, characterized in that it exchanges information with said output device (8) in accordance with the "BLUETOOTH" protocol and said automatic means for detecting the presence of an output  
20 device (8) nearby and said automatic information retransmission means take the form of a BLUETOOTH communications module (23).

9. An information retransmission system comprising a device (2) for retransmitting information received from a  
25 remote server (4) over a telecommunications network (6) in order to retransmit it to a output device (8) comprising means for receiving information coming from said information retransmission device (2) and means for output of that information, which system is characterized  
30 in that said information retransmission device (2) is a device according to any one of claims 1 to 8.

10. A system according to claim 9, characterized in that said output device (8) is an output device selected from the group comprising the following devices:

- a mobile telephone (8a);
- 5       - a personal digital assistant (8b);
- a watch (8c);
- a television (8d); and
- a portable computer (8e).